



Crop Progress and Condition

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In Cooperation with:
Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: May 17, 2021

Issue: 11-21

Agricultural News: Kentucky experienced well below normal temperatures and much below normal rainfall over the past week. Precipitation for the week totaled 0.08 inches, 1.04 inches below normal. Temperatures averaged 56 degrees for the week, 8 degrees below normal. **Topsoil moisture** was rated 3 percent short, 79 percent adequate, and 18 percent surplus. **Subsoil moisture** was rated 3 percent short, 79 percent adequate, and 18 percent surplus. Days suitable for fieldwork averaged 4.8 out of a possible seven.

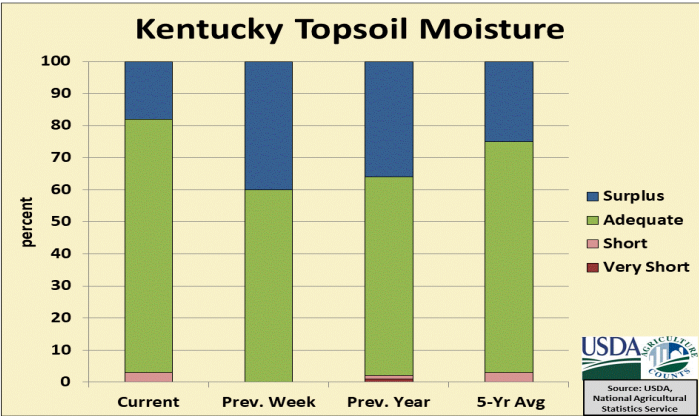
Primary activities for this week included planting corn and soybeans, setting tobacco, and cutting hay. Cool temperatures hampered field drying and slowed growth of previously planted crops throughout the week. Farmers forged ahead with planting despite some fields remaining fairly wet. Heavy rain the week before last has relegated some farmers to replanting damaged crops. Bottom lands were particularly affected by rain that week and were further assessed this week after any flooding had retreated. Corn planting continues to outpace both last year and the five-year average. Fifty-seven percent of the corn crop has emerged. Soybean planting is also ahead of last year and the five-year average with 21 percent of the crop emerged. Tobacco setting is beginning to pick up and will continue to do so. The average height of tobacco transplants is 9 percent less than 2 inches, 33 percent two to four inches, and 58 percent larger than 4 inches. Tobacco transplant supplies are rated as 8 percent short, 83 percent adequate, and 9 percent surplus.

Wheat condition remains mostly good with 81 percent of the crop headed. The drier conditions this week allowed for the application of fungicide to wheat. Pasture condition is good, however cool temperatures have impeded growth to an extent. Both pasture and hay that received fertilizer are doing well at this juncture. Hay cutting is slightly behind due to the frequent rain this spring.

SOIL MOISTURE for week ending 05/16/21

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | - | 3 | 79 | 18 |
| Subsoil | - | 3 | 79 | 18 |

- Represents zero.



CROP PROGRESS for week ending 05/16/21

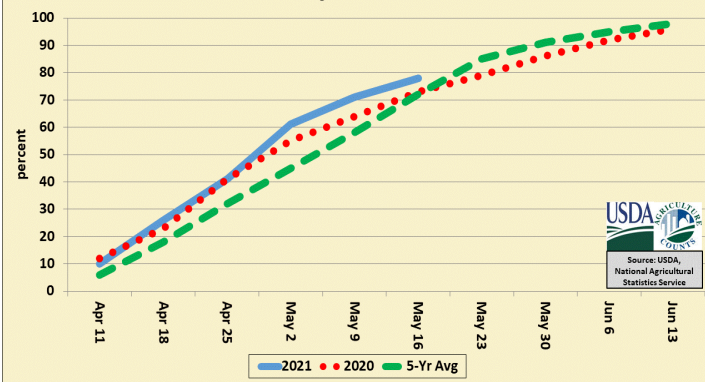
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|---------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Planted | 78 | 71 | 73 | 72 |
| Corn Emerged | 57 | 46 | 54 | 50 |
| Soybeans Planted | 41 | 32 | 38 | 25 |
| Soybeans Emerged | 21 | 17 | 23 | 10 |
| Tobacco Set | 7 | 1 | 6 | 13 |
| Winter Wheat Headed | 81 | 68 | 88 | 88 |

CROP CONDITIONS for week ending 05/16/21

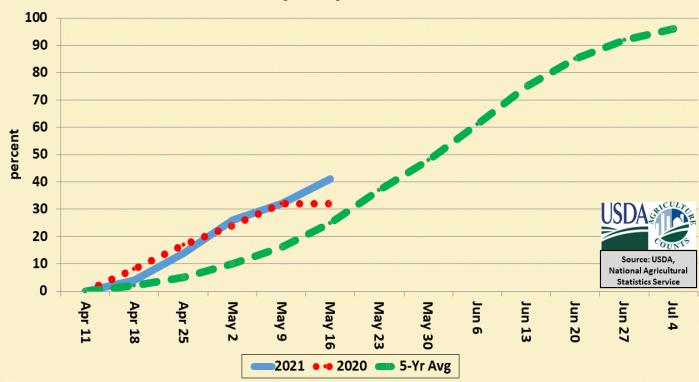
| Crop | Very Poor | Poor | Fair | Good | Excellent |
|---------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Pasture | 1 | 2 | 17 | 64 | 16 |
| Wheat | - | 3 | 14 | 66 | 17 |

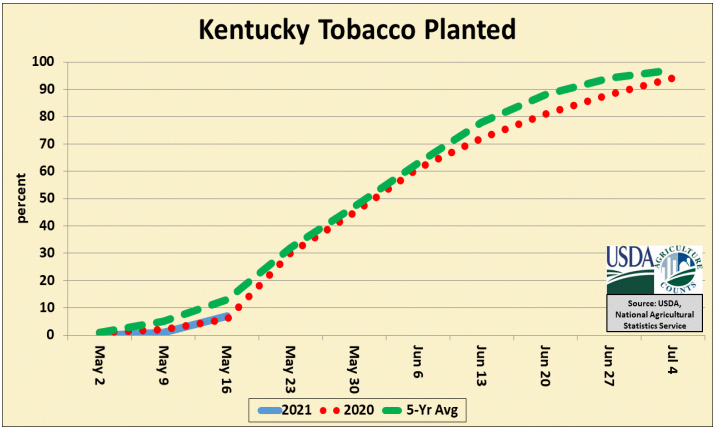
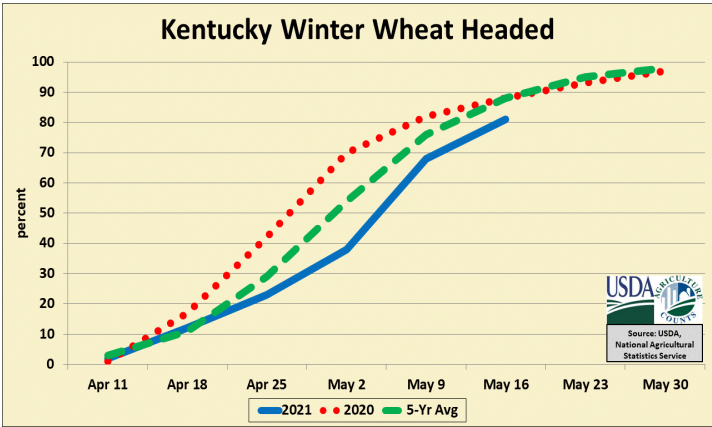
- Represents zero.

Kentucky Corn Planted



Kentucky Soybeans Planted





Kentucky Climate Summary
For the Period May 10, 2021 to May 16, 2021

Well Below Normal Temperatures and Much Below Normal Rainfall:

Judging by May standards, Kentucky saw another dry and cool period. Temperatures ran below normal the entirety of the week. Highs struggled in the 60s through Thursday, before slowly inching higher over the weekend. Some patchy frost was even in the picture late in the workweek for mainly the Bluegrass and Eastern Kentucky. Below normal temperatures have been no stranger to Kentucky as of late. In fact, the state average temperature has run below normal four of the past five weeks. Through May 16th, high temperatures for the month have averaged about 6 degrees below normal. Low temperatures have run roughly 4 degrees below normal. Mostly dry conditions accompanied the cooler temperatures. The state only averaged 0.08 inches for the week, most of which fell over the latter half of the weekend.

Temperatures for the period averaged 56 degrees across the state which was 8 degrees cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 68 in the West to 67 in the East. Departure from normal high temperatures ranged from 9 degrees cooler than normal in the West to 9 degrees cooler than normal in the East. Low temperatures averaged from 46 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 8 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. The extreme high temperature for the period was 82 degrees at PADUCAH ASOS and the extreme low was 32 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 0.08 inches statewide which was 1.04 inches below normal and 7% of normal. Precipitation totals by climate division, West 0.08 inches, Central 0.06 inches, Bluegrass 0.02 inches and East 0.17 inches, which was 1.1, 1.12, 1.03 and 0.9 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALEXANDRIA 5NW to a high of 0.47 inches at WHITESBURG 2NW.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 05/16/21 4 p.m.

| Weather Station | Precipitation | | Deviation From Norm Since Jan 1 | Temperatures | | | | | Air Temp. Dev. From Normal |
|--------------------|---------------|-------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------------|
| | Last Week | Since Jan 1 | | Soil | | Air | | Wkly. Avg. | |
| | | | | 4 In. Grass | | | | | |
| | | | | High | Low | High | Low | | |
| | (Inches) | (Inches) | (Inches) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) |
| Bardstown | 0.02 | 20.58 | 3.92 | 63 | 55 | 74 | 41 | 56 | -10 |
| Berea | 0.01 | 20.13 | 3.34 | -- | -- | 73 | 34 | 54 | -11 |
| Bowling Green | 0.09 | 24.73 | 4.81 | 68 | 57 | 74 | 42 | 58 | -8 |
| Bristol | 0.25 | 22.78 | 7.10 | -- | -- | 80 | 40 | 59 | -6 |
| Buckhorn Lake | 0.29 | 18.54 | 1.20 | -- | -- | 72 | 39 | 53 | -12 |
| Cape Girardeau | 0.15 | 19.24 | 0.88 | -- | -- | 81 | 39 | 58 | -10 |
| Campbellsville | 0.03 | 23.71 | 3.76 | -- | -- | 72 | 39 | 56 | -10 |
| Covington | 0.00 | 15.68 | 0.20 | -- | -- | 72 | 38 | 56 | -9 |
| Dix Dam | 0.02 | 20.18 | 2.79 | -- | -- | 73 | 38 | 55 | -10 |
| Evansville | 0.00 | 17.47 | 0.51 | -- | -- | 75 | 40 | 56 | -12 |
| Glasgow | 0.03 | 28.45 | 8.18 | 61 | 53 | 72 | 41 | 56 | -10 |
| Grayson | 0.02 | 17.78 | 2.79 | -- | -- | 74 | 34 | 54 | -11 |
| Hardinsburg | 0.17 | 24.42 | 5.63 | -- | -- | 71 | 39 | 55 | -11 |
| Henderson | 0.02 | 16.04 | -1.45 | -- | -- | 75 | 41 | 57 | -11 |
| Huntington | 0.05 | 17.47 | 2.56 | -- | -- | 74 | 40 | 56 | -9 |
| Jackson | 0.24 | 21.57 | 3.93 | -- | -- | 74 | 42 | 57 | -8 |
| Lexington | 0.01 | 19.09 | 2.43 | 61 | 57 | 72 | 38 | 54 | -11 |
| London | 0.20 | 20.81 | 3.19 | -- | -- | 73 | 41 | 56 | -9 |
| Louisville | 0.03 | 20.43 | 3.00 | -- | -- | 75 | 43 | 59 | -7 |
| Mayfield | 0.02 | 23.28 | 1.86 | -- | -- | 82 | 39 | 58 | -10 |
| Nashville | 0.03 | 19.19 | 0.04 | -- | -- | 80 | 42 | 60 | -6 |
| Nolin Lake | 0.03 | 30.04 | 10.66 | -- | -- | 71 | 40 | 56 | -10 |
| Paducah | 0.00 | 20.93 | 1.28 | 71 | 60 | 82 | 42 | 59 | -9 |
| Princeton | 0.25 | 21.93 | 1.40 | 74 | 55 | 76 | 39 | 57 | -11 |
| Quicksand | 0.12 | 20.13 | 2.49 | -- | -- | 75 | 34 | 55 | -10 |
| Somerset | 0.01 | 22.18 | 3.12 | -- | -- | 72 | 38 | 55 | -10 |
| Spindletop | 0.05 | 19.56 | 2.90 | 61 | 57 | 71 | 42 | 55 | -10 |
| Williamstown | 0.00 | 18.43 | 1.99 | -- | -- | 71 | 38 | 54 | -11 |

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.